

In The Claims:

Please cancel claim 20. Please amend claims 1 and 6 as follows:

1. (Currently Amended) Engineered tissue comprising a suspension of anticoagulated plasma, a clotting agent, a fibrinolytic inhibitor and cells.

2. (Original) An engineered tissue as described in claim 1, wherein the cells are stem cells.

3. (Original) An engineered tissue as described in claim 2, wherein the stem cells are committed stem cells.

4. (Original) An engineered tissue as described in claim 2, wherein the suspension further comprises differentiation inducers.

5. (Original) An engineered tissue described in claim 1, wherein the engineered tissue has a predetermined shape and the suspension has substantially the same predetermined shape.

6. (Currently Amended) A method of manufacturing an engineered tissue comprising mixing cells with anticoagulated plasma and a clotting agent, a fibrinolytic inhibitor to form a suspension.

7. (Original) The method described in claim 6, wherein the cells are stem cells.

8. (Original) The method described in claim 7, wherein the stem cells are committed stem cells.

9. (Original) The method described in claim 7, wherein the step of mixing cells with anticoagulated plasma and a clotting agent further comprises mixing in

differentiation inducers.

10. (Original) The method described in claim 7, further comprising the preliminary step of providing a mold defining a predetermined shape and then mixing the suspension inside the mold.

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Original) An engineered tissue as described in claim 1, further comprising preselected DNA.

18. (Original) An engineered tissue as described in claim 17, wherein the preselected DNA is incorporated into the cells.

19. (Original) An engineered tissue as described in claim 18, wherein the preselected DNA is incorporated into the cells by using nonviral techniques.

20. (Cancelled)

21. (Original) The method described in claim 6, wherein the anticoagulated plasma contains a sufficient concentration of anticoagulates to prevent the resulting fibrin matrix formation from being compete until more than ten seconds

after the mixture of anticoagulated plasma, clotting agent, and cells.

22. (Original) The method described in claim 6, further wherein the clotting agents have a low enough concentration to prevent the resulting fibrin matrix formation from being complete until more than ten seconds after the mixture of anticoagulated plasma, clotting agent, and cells.